

Serial No. Not Yet Assigned

Atty. Doc. No. 2003P14866WOUS

Amendments To The Specification:

In the English translation document, please delete the term --Description-- at page 1 line 1, before the title.

In the English translation document, please add the paragraph at page 1 line 3, after the title, as follows:

--CROSS REFERENCE TO RELATED APPLICATIONS

This application is the US National Stage of International Application No. PCT/EP2004/051718, filed August 4, 2004 and claims the benefit thereof. The International Application claims the benefits of Germany Patent application No. 10344764.4 filed September 26, 2003, all of the applications are incorporated by reference herein in their entirety.--

In the English translation document, please insert the section heading at page 1 line 3, after the newly added CROSS REFERENCE TO RELATED APPLICATIONS section, as follows:

--FIELD OF THE INVENTION

The invention relates in general to a data transmission method, and more specifically to a data transmission method that authenticates data to be transmitted in a communication network via a connecting line.--

In the English translation document, please insert the section heading at page 1 line 3, as follows:

--BACKGROUND OF THE INVENTION--

In the English translation document, please insert the section heading at page 5 line 12, as follows:

--SUMMARY OF THE INVENTION--

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In the English translation document, please amend the paragraph beginning at page 5 line 12, as follows:

-- The object of the invention is to improve the integrity of the transmission of data within communication networks. This object of the invention is achieved starting from a method and a communication system in accordance with the features of the claims ~~1 and 13~~.--

In the English translation document, please amend the paragraph beginning at page 6 line 11, as follows:

-- Advantageously, the data is transmitted in accordance with the PPPoE transmission method or protocol in accordance with RFC 2516 via the at least one subscriber's connection--~~claim 7~~. Within the framework of the PPPoE protocol, specification RFC 2516 allows so-called "TAGS" so that advantageously the connection data is inserted as the "Relay Session ID Tag" data into the "PPPoE Active Discovery" (PADI) messages transmitted to the communication network via the at least one subscriber's connection--~~claim 8~~. This advantageous development does not represent a further development, but an advantageous application of the PPPoE transmission protocol, in which already existing transmission resources or data fields are used in the PADI messages for the transmission of the connection data - the PPPoE protocol does not have to be modified or supplemented.--

In the English translation document, please insert the section heading at page 6 line 30, as follows:

--BRIEF DESCRIPTION OF THE DRAWINGS--

In the English translation document, please insert the section heading at page 7 line 6, as follows:

--DETAILED DESCRIPTION OF THE INVENTION--